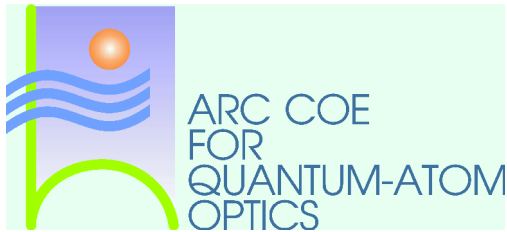




Topical Meeting:

QUANTUM-ATOM OPTICS *DOWNUNDER*



Wollongong, Australia
December 3 – 6, 2007



CO-CHAIRS: Hans Bachor, Ken Baldwin

ORGANISING COMMITTEE: P. Drummond, W. Ertmer, P. Hannaford, M. Leduc, R. Wilson

PROGRAMME COMMITTEE: H. Bachor, K. Baldwin, R. Blatt, J. Corney, C. Gardiner, P. Hannaford, Y. Kivshar, P. Knight, A. White

This will be the first conference devoted to the overlap of Quantum and Atom Optics - providing new fundamental insights and experimental realizations of concepts common to both fields. This conference will bring together key researchers from across the world to discuss the latest results in areas such as:

- statistical effects and correlations in ultracold quantum gases - including BEC's, atom lasers and degenerate Fermi gases;
- the generation and measurement of macroscopic quantum states;
- optical entanglement and quantum imaging;
- applications of atom-light entanglement including quantum communication;
- quantum properties of lattices and periodic systems.

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